

Safety at NIST

Update to the VCAT

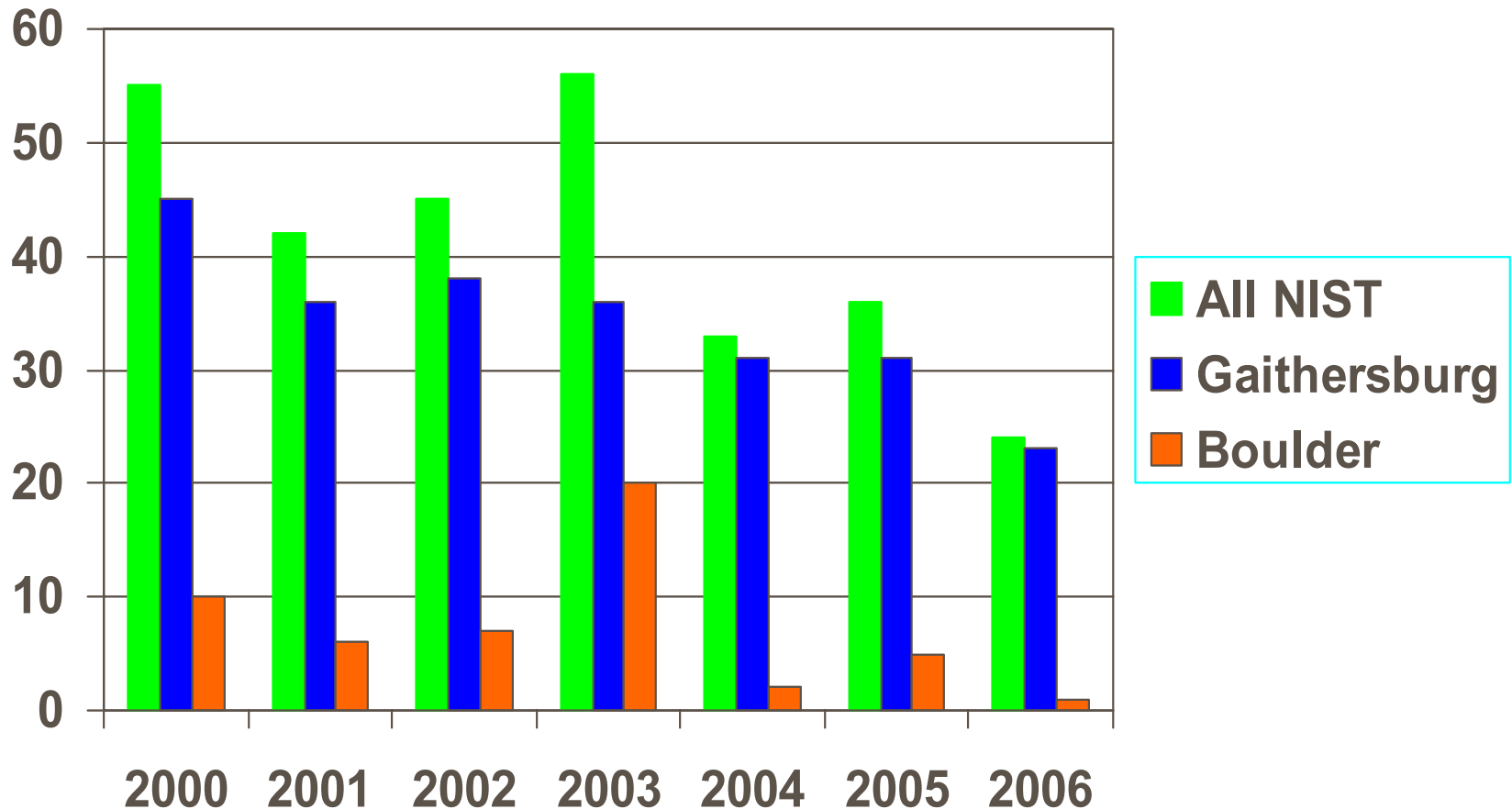
Rosamond Rutledge-Burns, MS, CBSP
Chief, Safety, Health and Environment

National Institute of Standards and Technology

June 13, 2006

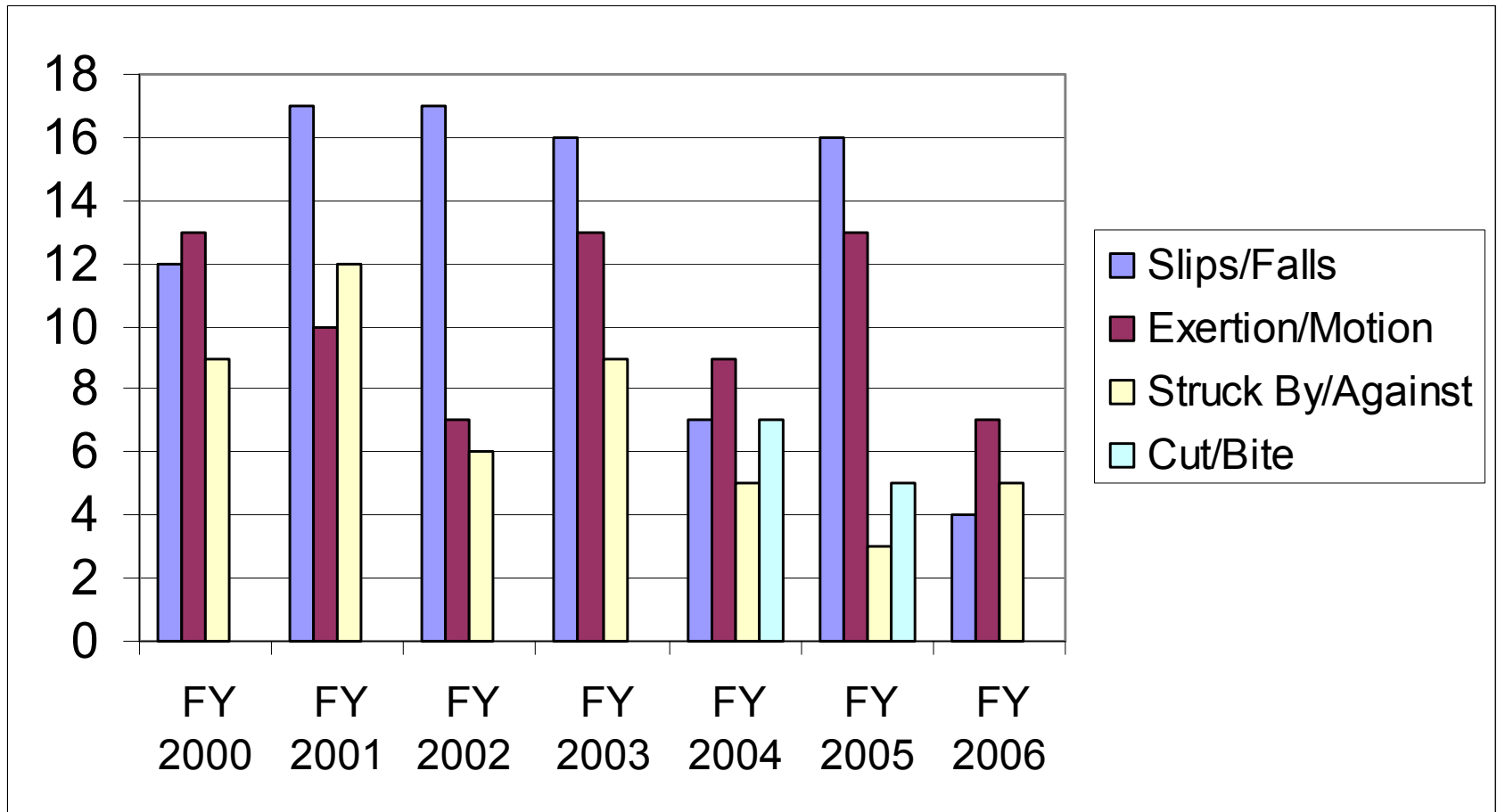
All Recordable Incidents

FY 2000 - FY 2006 to Date (May 31)



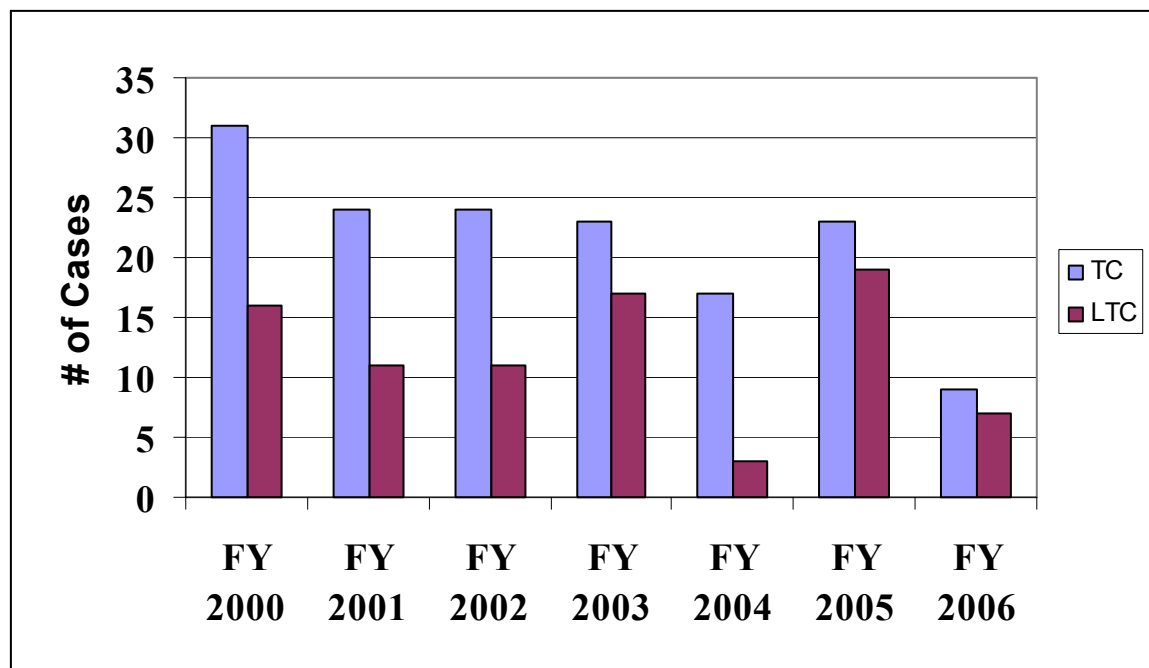
Top Incidents by Category

All Staff – FY 2000 Through FY 2006



Reduction in Recordable Cases for CFMO

FY 2003 -2006 (May 31)



Incident Descriptions for CFMO

- **12/29/04 190 (G) LW (43) CFMO** A Pipefitter strained his neck and cut his nose when the wrench he was using to tighten a nut on a manifold slipped. He hit his nose on the duct work when the wrench slipped.
- **03/09/05 190 (G) LW (155) CFMO** A Police Officer was opening the main gate at 5:25 a.m. and slipped on ice in the driveway. He fell onto his right shoulder, fracturing it.
- **03/10/05 190 (G) LW (45) CFMO** A Police Officer slipped on glue that was being put down on the concrete floor for installation of floor tile in Building 101, Room A16. She sustained a sprain to her right knee.
- **03/15/05 190 (G) LW (40) CFMO** A Custodial Worker fell down the stairs in Building 101 by the Health Unit while sweeping the stairs. She sustained a fracture of the left elbow.
- **10/22/05 190 (G) LW (180) CFMO** A Gardener twisted his lower back while cleaning the cooling tower. The pain radiates down his left leg upon any movement.
- **02/13/06 190 (G) LW (16) CFMO** A Custodian slipped on ice and as he fell he braced himself with his left arm. He re-injured his left shoulder which was strained on 02/02/06.

Benchmarks vs. Other Institutions

Total Case Rate and Lost Time Case Rate for FY 2005
and FY2006 Second Quarter

<u>Agency</u>	<u>TCR05*</u>	<u>TCR06</u>	<u>LTCR05</u>	<u>LTCR06</u>
NIST	0.96	0.65	0.73	0.58
DOE	1.96	0.95	0.73	0.39
NIH	1.47	0.63	0.72	0.35
FDA	1.10	0.49	0.57	0.31
NOAA	1.47	0.65	0.60	0.27
CDC	1.01	0.63	0.51	0.26
Federal Govt. ⁺	3.96	1.78	1.88	0.86

*Includes medical treatment and lost work day incidents

⁺Includes Executive, Legislative and Judicial Branches, No Postal Service

<http://www.osha.gov/dep/fap/fap-inj-ill-stats.html>

Benchmarks vs. DOE Labs

Total Case Rate and Lost Time Case Rate for FY 2005

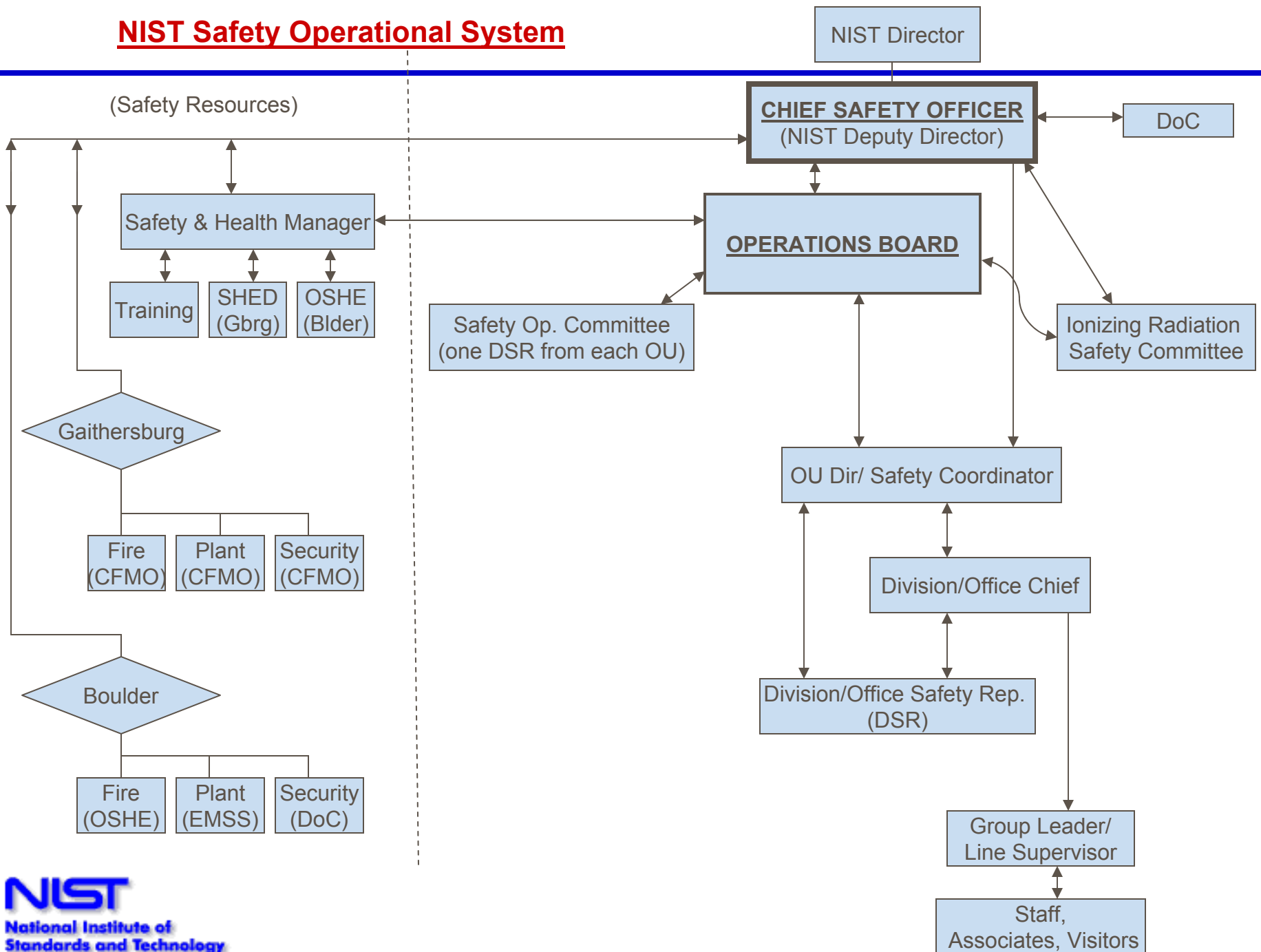
<u>Agency</u>	<u>TCR*</u>	<u>LTCR</u>
NIST	0.96	0.73
DOE	1.96	0.73
Argonne East	1.70	0.58
Brookhaven	1.75	0.65
Lawrence Livermore	2.02	0.33
Los Alamos	2.51	0.88
Sandia	2.48	0.88
Fermilab	1.05	0.15

*Includes medical treatment and lost work day incidents

FY2006 Safety Operational Committee Plans

- Committee developed January 11, 2006
- Updated Occupational Safety and Health Written Program modeling ANSI Z10 Standard for the Admin Manual
- Provided safety training for employees through Federal Occupational Health
- Policy and Procedure Development
- EMS Program Implementation and Declaration
- Continuous Integrated Safety Management Activities
- Safety Day June 15, 2006

NIST Safety Operational System



ANSI Z10 Standard

Occupational Safety and Health Management Standard

- A standard of management principles and systems to help organizations improve safety and health performance;
- improve protection of worker health and safety in a cost effective manner;
- help to integrate quality environment, health and safety systems;
- provide tools for implementation of existing and future governmental regulations; and
- NIST Safety Operational System is compliant with the Standard.

Safety and Health Training Topics

- Personal Protective Equipment – 4 Offerings
- Walking and Working Surfaces – 3 Offerings
- Hazard Communications – 4 Offerings
- Electrical Safety Awareness – 4 Offerings
- Machine Guarding – 4 Offerings
- Lock-out Tag-out – 4 Offerings
- Respiratory Prevention and
Fit Testing – 4 Offerings
- Collateral Duty Safety Training for Federal Agencies

Policy and Procedure Development

- Office Safety Manual
- NIST PPE Policy
- Safety at NIST Presentation
- CFMO Light Duty Procedure
- CFMO Incident Review Panel
- NIST Light Duty Policy ~ Draft
- Lab Safety Manual ~ Update
- Laser Safety Policy Review

Continuous Integrated Safety Management Activities

- Annual Full Worksite Inspections
 - ~ 1 day per Div. for 83 Divisions
 - OU Deputy Director, Division Chief, Div. Safety Rep, SHED or OSHE Rep.
- Quarterly Inspections of the Laboratories
 - Division Level Cross Inspections
- Annual Inspections of the Office Spaces
 - Division Level Cross Inspections

Continuous Integrated Safety Management

Activities (Cont'd.)

- Quarterly Safety Meetings, more often in some areas like CFMO which are monthly
- Safety presentations at Division and NIST level
- Incident review panel in CFMO for every incident
- CFMO Safety Committee
- Nanofab Safety Committee
- Ionizing Radiation Safety Committee
- NCNR Safety Committee

Safety Day June 15, 2006

- Fisher Scientific
 - Stanley-Proto
- Werner Ladder
- National Marker
- North Safety
- Stoko Skin Care
- DeWalt
- Lift-All
- Microbac
- Saveway International
 - Hagemeyer, NA
 - Miller Fall Protection
- Maryland State Troopers
- Maryland Operation Lifesaver
 - Montgomery County Recycle
- Certified Insulated Products
 - Wearwell Mats
- Chesapeake Region Safety Council, Inc.
 - Government Scientific Source
- SEBA-Standards Employee Benefits Association
 - Workrite Ergonomics
- MSC Industrial Supply
 - Ergodyne Tools
- Ergonomics
 - Ergo Concepts, LLC

**SAFETY
DAY
IS
BUZZING
WITH
THINGS
TO DO**



**NIST SAFETY DAY
JUNE 15, 2006**



**OFFICIAL PROGRAM
BUILDING 101
9:00 AM - 4:00 PM**







Safety Day Sponsored by NIST:
Safety Operational Committee
Safety, Health and Environment Division
Emergency Services Division
Plant Division

- Pre-Paid Legal
 - Department of Transportation/NHTSA
 - Department of Labor/OSHA
 - CURVES
 - and more - - -

Safety Day June 15, 2006

RED AUDITORIUM

SAFETY LECTURES

- 9:00**  **9:30** "WELCOME TO SAFETY DAY 2006"
Dr. William A. Jeffrey, Director
National Institute of Standards and Technology
Rosamond Burns, Chief, Safety, Health & Environment Division
National Institute of Standards and Technology
- 9:30**  **10:30** "OVERVIEW OF NANOTECHNOLOGY SAFETY"
Loretta D. Schuman, Ph.D. MS, DABT
Occupational Safety and Health Administration
Vladimir V. Murashov, Ph.D.
National Institute for Occupational Safety and Health
- 11:00**  **12:00** "LIVING THE GOOD LIFE WITH LESS"
Mary Jackson Clark, MS, Psychologist, EAP Counseling
National Institute of Standards and Technology
- 12:30**  **1:00** "FIRE EXTINGUISHER TRAINING"
Captain Danny Baker, Fire Protection Group
National Institute of Standards and Technology
- 1:30**  **2:30** "SAFETY MANAGEMENT SYSTEMS: NEW ANSI Z10"
Diane Brown, MS, Safety Specialist
AFSCME
- 3:00**  **3:30** "RECYCLING: IT'S THE LAW IN MONTGOMERY CO."
Alan Pultyniewicz, Recycling Coordinator
Montgomery County Department of Public Works
- 3:30**  **4:00** "NIST ENVIRONMENTAL UPDATE"
Mike Blackmon, Environmental Compliance Group
National Institute of Standards and Technology


GREEN AUDITORIUM

SAFETY LECTURES

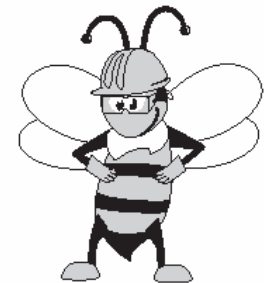
- 9:30**  **10:30** "FAST AND FATAL: SEMINAR ON SPEED"
Eddie Bell, Chesapeake Region Safety Council
1st of the Driving Trilogy Lectures
- 11:00**  **12:00** "TRAFFIC SAFETY 3-D: DRUGS, DRINKING & DRIVING"
Eddie Bell, Chesapeake Region Safety Council
2nd of the Driving Trilogy Lectures
- 12:30**  **1:00** "HOME SAFETY: SECURITY GLASS"
Tom Camarca, Windows Plus, LLC
Security Glass Lecture and Demonstration
- 1:30**  **2:30** "STRAP AND SNAP: SAFETY BELTS SAVE LIVES"
Eddie Bell, Chesapeake Region Safety Council
3rd of the Driving Trilogy Lectures
- 2:30**  **3:00** "LIFE SAFETY"
Eddie Bell, Chesapeake Region Safety Council
New Child Restraint Seat Belts

EMPLOYEE LOUNGE

SAFETY DEMONSTRATION

- 3:30**  **4:00** "ERGONOMIC TOOLS"
Brian Fixx, Ergodyne Tools
Product Demonstration

**JOIN US OUTDOORS
FOR THE
SECURITY GLASS,
"SEAT BELT CONVINCER" &
NIST FIRE PROTECTION GROUP
DEMONSTRATIONS**







Occupational Safety
and Health Administration

www.osha.gov

Safety
and
Health
Add Value:

- To Your Business
- To Your Workplace
- To Your Life

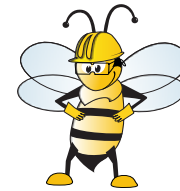


10:34²²

↑ Cafeteria
↑ Employee Lounge
↑ Dining Rooms
↑ West Square



Have a safe and healthful day!



**“BEE SAFE”
NIST SAFETY DAY**

June 15, 2006

Enjoy your meeting and time at NIST.